

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2107	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2107						
Mossdale Island	A	4.21				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					0.01	
<i>LMA Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.00
Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles				
RD2107	A	2.37				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments					0.01	
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.01	0.00
Unit No. 02 Paradise Cut RB	Overall Unit Rating	Total Unit Miles				
RD2107	A	1.84				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.37
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2011 - 3/30/2011		10/18/2011 - 10/18/2011	
DWR Inspector	Jim Eto		Jim Eto	
Accompanied By	Robert Brown		Robert Brown	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	10/18/2011 10/18/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.02	0.02	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation has been cleaned and meets the criteria of the framework for waterside vegetation.	37.786911 ° -121.308708 °	37.786911 ° -121.308708 °	3 Y
2	0.03	0.03	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.786993 ° -121.308694 °	37.786993 ° -121.308694 °	1 Y
3	0.25	0.25	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.784316 ° -121.306498 °	37.784316 ° -121.306498 °	2 Y
4	0.37	0.37	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.783233 ° -121.305125 °	37.783233 ° -121.305125 °	4 Y
5	0.42	0.42	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent burrows are in close proximity to Elderberry bushes on water side.	37.782666 ° -121.304329 °	37.782666 ° -121.304329 °	13
6	0.68	0.68	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Irrigation intake pump. Steel pipe runs through base of levee.	37.779550 ° -121.301987 °	37.779550 ° -121.301987 °	6 Y
7	0.75	0.75	Earthen Levee	Erosion / Bank Caving	WS	C	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion on landside appears to be from water draining from depression in crown also noted at levee mile 0.75.	37.778822 ° -121.302840 °	37.778822 ° -121.302840 °	14
8	0.75	0.75	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Add appropriate gravel or road base. Grade and compact. Inspector Comments: Depression in crown is holding water, evidence of low spot, water draining from low spot appears to be responsible for the bank erosion on the landside at the same levee mile	37.778822 ° -121.302840 °	37.778822 ° -121.302840 °	15
9	0.76	0.76	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.778798 ° -121.302885 °	37.778798 ° -121.302885 °	7
10	1.24	1.24	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Landscaping and fence present on levee slope.	37.774123 ° -121.307189 °	37.774123 ° -121.307189 °	17 Y
11	1.49	1.49	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Irrigation intake pump.	37.771636 ° -121.304773 °	37.771636 ° -121.304773 °	9 Y
12	2.21	2.21	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Irrigation intake pipe through levee freeboard.	37.762868 ° -121.309708 °	37.762868 ° -121.309708 °	11

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	10/18/2011 10/18/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	0.02
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Fall 2011 Area has been cleaned and meets the framework guidelines for waterside vegetation.

jeto_f_20111121_622.jpg



Levee Mile Report Line	2
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Photo of waterside slope. Stumps present from prior tree removal for access and visibility.

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Levee Mile Report Line	3
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree stumps present on slope. They were left from prior vegetation removal for access and visibility.

jeto_f_20110923_462.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	10/18/2011 10/18/2011	Jim Eto

Levee Mile Report Line	4
Start Levee Mile	0.37
End Levee Mile	0.37
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree stumps and trunks on levee slope. Vehicle traffic on levee slope is an ongoing problem at this location due to the abandoned trailer park, access should be restricted.

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Levee Mile Report Line	6
Start Levee Mile	0.68
End Levee Mile	0.68
Location	Crown
Category	Earthen Levee
Item	Encroachments

Irrigation intake pipe runs through the base of the levee. Stand pipes on waterside and landside. A butterfly valve is located near waterside slope.

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Levee Mile Report Line	10
Start Levee Mile	1.24
End Levee Mile	1.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fall 2009 photo of landscape planting on landside levee slope and a 3-ft yard fence at the levee toe.

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Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	10/18/2011 10/18/2011	Jim Eto

Levee Mile Report Line	11
Start Levee Mile	1.49
End Levee Mile	1.49
Location	Crown
Category	Earthen Levee
Item	Encroachments
Irrigation intake pipe through levee freeboard.	
jeto_f_20110923_465.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	1.84
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2011 - 3/30/2011		10/18/2011 - 10/18/2011	
DWR Inspector	Jim Eto		Jim Eto	
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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2107 Mossdale Island

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 Paradise Cut						Right	1.84	10/18/2011 10/18/2011	Jim Eto	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.03	0.03	Earthen Levee	Trim / Thin Trees	LS	A	Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Tree has been trimmed to 12" above roadway.	37.760648 ° -121.310163 °	37.760648 ° -121.310163 °	3 Y
2	0.14	0.14	Earthen Levee	Animal Control	CR	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.761504 ° -121.311873 °	37.761504 ° -121.311873 °	1
3	0.55	0.55	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Drainage discharge pump and pipe through levee freeboard.	37.764831 ° -121.317446 °	37.764831 ° -121.317446 °	2 Y
4	0.84	0.84	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.767792 ° -121.321220 °	37.767792 ° -121.321220 °	5 Y
5	1.53	1.53	Earthen Levee	Encroachments	CR	W	Pipe Inspector Comments: Drainage discharge into Paradise Cut. Gravity flow and pressure flow from sump pump if necessary. Power to pump disconnected. Pump in disrepair. No flap gates or closure devices.	37.774170 ° -121.329954 °	37.774170 ° -121.329954 °	6 Y

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Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	10/18/2011 10/18/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Fall 2011 tree has been limbed up 12' over the roadway.	
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Levee Mile Report Line	3
Start Levee Mile	0.55
End Levee Mile	0.55
Location	Crown
Category	Earthen Levee
Item	Encroachments
Drainage discharge pump. Steel pipe penetrates levee freeboard. No flapgate on waterside. No closure device.	
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Levee Mile Report Line	4
Start Levee Mile	0.84
End Levee Mile	0.84
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree stumps on levee slope.	
jeto_f_20110923_475.jpg	

*** Location**

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WS : Water Side
CR : Crown

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N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	10/18/2011 10/18/2011	Jim Eto

Levee Mile Report Line	5
Start Levee Mile	1.53
End Levee Mile	1.53
Location	Crown
Category	Earthen Levee
Item	Encroachments
Drainage discharge pump inoperable. Parallel gravity drainage to Paradise Cut.	
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Levee Mile Report Line	5
Start Levee Mile	1.53
End Levee Mile	1.53
Location	Crown
Category	Earthen Levee
Item	Encroachments
03/30/2011 photo of Unit 2 gravity drain	
jeto_f_20110923_477.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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